

**OCT 26 2007**

**PATENT**

**Application 10/730,577**

**Attorney Docket 2000-0222 (1014-056)**

## **AMENDMENTS**

### **AMENDMENTS TO THE CLAIMS**

1. (Original) A distributed wireless radiation system for facilitating intra-premises distribution of broadband services, comprising:
  - a source broadband interface device connected for receiving incoming signals for in-premises cable distribution of broadband signals;
  - in-premises cabling comprising cables connecting the source broadband interface device to selected premised equipment;
  - an adjunct device connected to the broadband interface device and operative for accepting broadband signals, formatting the broadband signals for wireless delivery and providing the formatted broadband signals to the in-premises cabling; and
  - a signal radiation device enabled by the in-premises cabling for radiating the formatted signals to be received by nearby receivers.
2. (Original) The system of claim 1, wherein:
  - the in-premises cabling comprises television cable.
3. (Previously Presented) The system of claim 2, further comprising:
  - a diplexer to extract the formatted broadband signals at a selected location of the in-premises cabling, wherein the diplexer operates to isolate various service signals from television signals transmitted via the television cable.
4. (Original) The system of claim 1, wherein:
  - the signal radiation device comprises an antenna radiating at RF frequencies.
5. (Original) The system of claim 1, wherein:
  - the signal radiation device comprises leaky coaxial cable radiating at RF frequencies.

**PATENT**

**Application 10/730,577**

**Attorney Docket 2000-0222 (1014-056)**

6. (Original) The system of claim 1, wherein:  
a source of broadband signals to an in-premises distribution is cable.
7. (Original) The system of claim 1, wherein:  
a source of broadband signals to the in-premises distribution is fixed wireless.
8. (Original) The system of claim 1, wherein:  
a source of broadband signals to the in-premises distribution is DSL.
9. (Original) The system of claim 1, wherein:  
the source broadband interface device is a set top box.
10. (Cancelled)
11. (Cancelled)
12. (Cancelled)
13. (Cancelled)
14. (Cancelled)
15. (Cancelled)
16. (Cancelled)
17. (Previously Presented) A method of distributing signals, comprising:  
receiving, at a first device at a first frequency, an input signal comprising broadband

**PATENT**

**Application 10/730,577**

**Attorney Docket 2000-0222 (1014-056)**

information;

converting the received broadband information to a packet format;

modulating the converted broadband information on an RF second frequency;

transmitting the modulated converted broadband information at the RF second frequency  
and via on-premise cabling;

isolating the transmitted modulated converted broadband information at the RF second  
frequency from the first frequency on the on-premise cabling; and

radiating the isolated broadband information from an antenna coupled to the on-premise  
cabling for a broadcast to one or more wireless receiving devices.

18. (Original) The method according to claim 17, wherein the first device includes a set top  
box.

19. (Original) The method according to claim 17, further including converting the received  
broadband information to the packet format at a wireless transmission device.

20. (Original) The method according to claim 19, wherein the wireless transmission device  
includes a port controller, a wireless interface, a media access controller and/or a radio interface.

21. (Original) The method according to claim 19, further including providing a first filtering  
device receiving the modulated broadband information, wherein the filtering device is coupled to  
the on-premise cabling.

22. (Original) The method according to claim 21, wherein the filtering device includes a first  
filter for allowing the first frequency to pass and a second filter for allowing the second  
frequency to pass.

23. (Original) The method according to claim 22, wherein the filtering device corresponds to  
a diplexer.

**PATENT**

**Application 10/730,577**

**Attorney Docket 2000-0222 (1014-056)**

24. (Original) The method according to claim 17, wherein the on-premise cabling includes coaxial cable.

25. (Original) The method according to claim 17, wherein the on-premise cabling includes leaky coaxial cable.

26. (Original) The method according to claim 17, wherein the first device includes a broadband termination interface.

27. (Original) The method according to claim 21, further including providing a second filtering device and a splitter coupled between the first and second filtering devices, wherein the second filtering device isolates the broadband information for transmission onto the on-premise cabling and transmission by the antenna.